

INFORMATION REPORT

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COUNTRY Czechoslovakia

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SUBJECT Supplementary Data on the
Tesla Electric Corporation

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DATE OF
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SUPPLEMENT TO
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1. The vacuum electrons produced in the Hloubetin Tesla works (formerly Philips) are normal receiver electronic tubes as standardized all over Europe and produced by Philips, Telefunken, Tunggram, etc. Characteristics of these tubes may be obtained from any technical publications of the three above-mentioned firms, as the Tesla products are identical with these. The following series are being produced:

a. E "red series" - AZ1, EF6, EF9, EF8, ECH4, EBL1

b. E "metal series" - a small quantity in glass has been produced in the
Holesovice works - EF12, AZ11, EC111

c. E "all-glass series" is being produced currently and is used in the con-
struction of receiving sets and other equipment -
ECH21, EF22, EBL21

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d. U21 "all-glass series" is very similar to E21, differing only with regard
to heating tension. UCH21, UF22, UBL21, UY1N.*

2. [redacted] the plant produces civilian radio
sets and radio amplifiers.

3. [redacted] unlikely that either radar equipment or high-power trans-
mitter tubes are being produced. [redacted] however, [redacted] such tubes are
being repaired in the plant.

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4. The principal materials used are wolfram, molybdenum, nickel, copper, iron,
and their combinations. These materials are employed chiefly in the form of
wire (wolfram, molybdenum), small tubes (nickel), and tin plates (iron, nickel).
Chemical purity is a prerequisite. Domestic production plants are incapable of
supplying these materials either in the desired purity or in sufficiently thin
wires (0.01 mm. and above) as is essential in the case of wolfram and molybdenum.
It is expected that the machinery necessary for the production of the above ma-
terials will soon be imported [redacted]

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5. Production of condensers and resistors at the Always** plant at Hloubetin is based upon the tested specifications of Always. Products are of mediocre quality and, in the case of condensers, even sub-standard.
6. Magnetrons are still in the experimental stage. Dr. Espe (fnu) at the Vyvoj experimental laboratory at Tesla, and an engineer named Kapoun at one of the most important Tesla factories at Pardubice are studying the qualities of germanium detectors and other equipment. Apparently no positive results have as yet been achieved.
7. There is no section of Vyvoj at Vrchlabi. This apparently means that no experimental work is being done at the latter place. However, there is an electronic tube plant there.
8. The capacity of the plant at Hloubetin is about 1,500 pumping positions (capacie). Production is hampered by a lack of wolfram and a large number of rejects due to faulty materials.

* [] Comment: It is possible that the letter "U" should read "V". [] 50X1-HUM

** [] Comment: "Always" was the name of a former [] radio plant which has been incorporated into the Tesla combine.

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